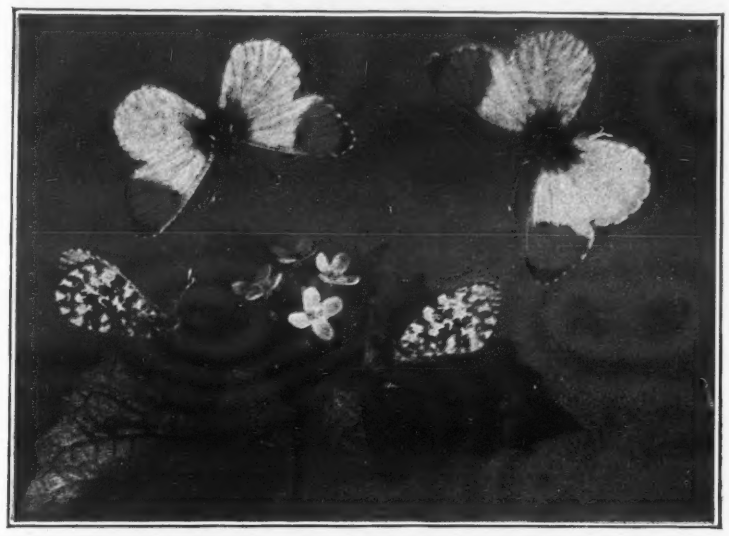
PROTECTIVE COLORATION IN INSECTS: NATURAL-COLOUR PHOTOGRAPHS.

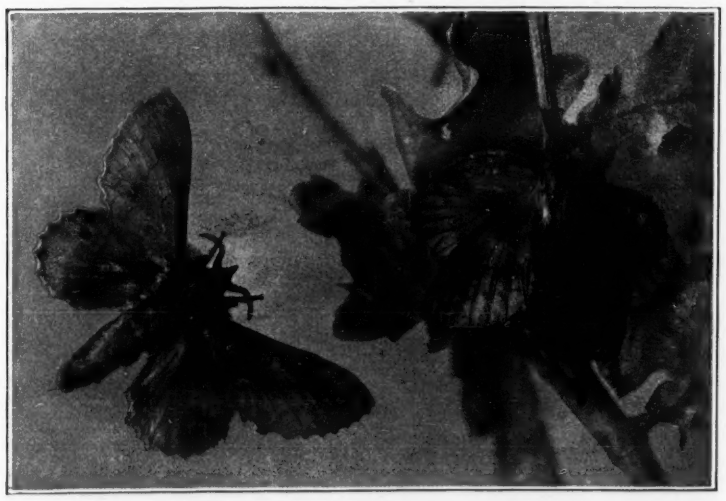
FROM AUTOCHROMES BY MR. HAROLD BASTIN. (SEE ARTICLE ON ANOTHER PAGE.)



IMITATING (WHEN AT REST) A CLUSTER OF SMALL WHITE FLOWERS AGAINST A GREEN BACKGROUND: THE BRITISH ORANGE-TIP BUTTERFLY (*EUCHLOE CARDAMINES*).

WITH BARK-LIKE FORE-WINGS HIDING BRIGHT HIND-WINGS: THE RED UNDER-WING MOTH (*CATOCALA NUPTA*)—TWO AT REST ON A WILLOW STEM, ONE WITH WINGS SPREAD.

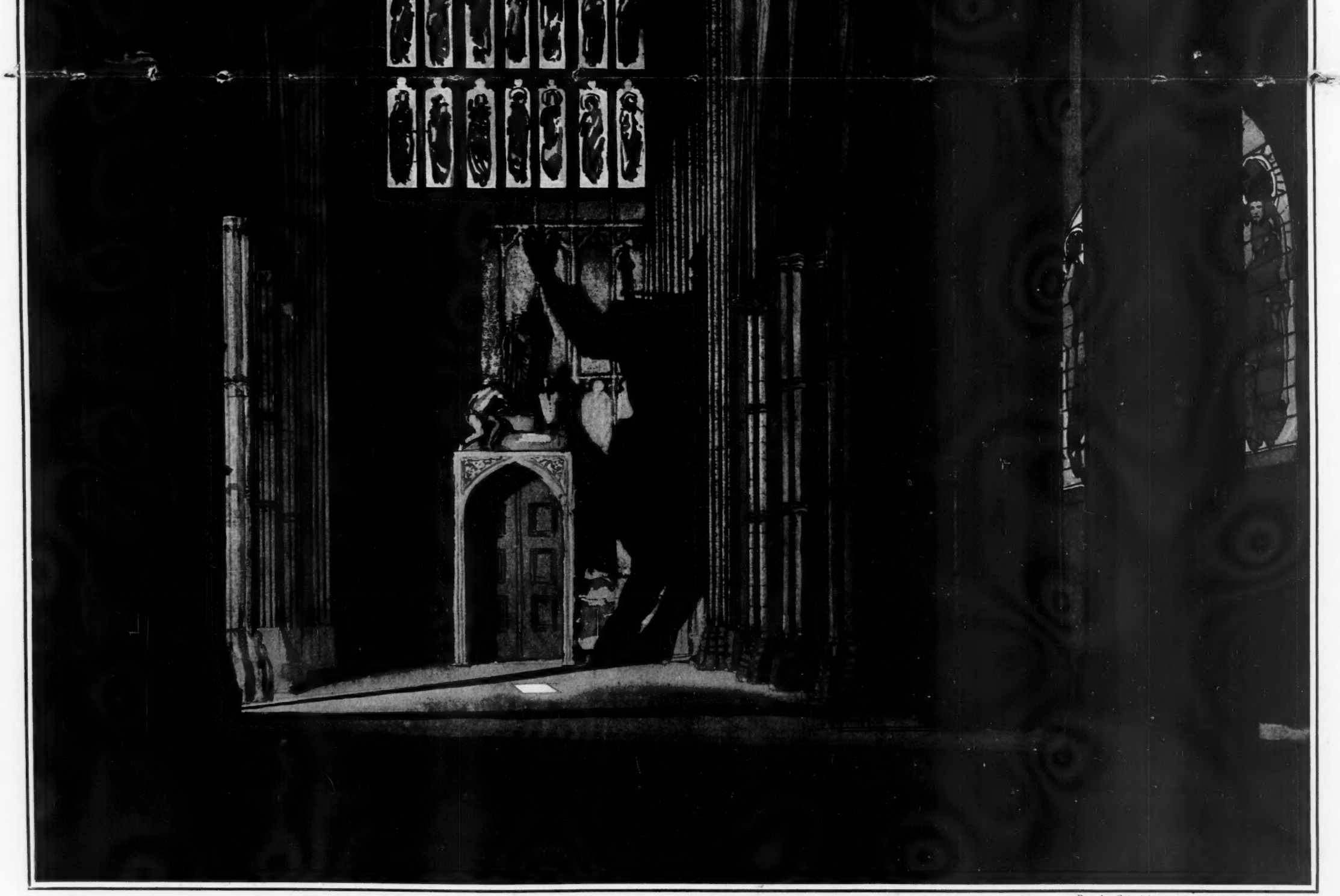
HEAD, BODY, WING-CASES, AND LEGS ALL FLAT AND LEAF-LIKE IN COLOUR AND DESIGN: THE MOST WONDERFUL "GREEN-LEAF" INSECT (*PHYLLIUM*), FROM CEYLON.



THE BEST SIMULATION OF A CLUSTER OF WITHERED LEAVES: THE LAPPET MOTH (*GASTROPACHA QUERCIFOLIA*)—COMMON, BUT RARELY DETECTED.

SHOWING THE PROTECTIVE LEAF-LIKE COLOUR AND VEINING OF WINGS: THREE INDIAN GIANT ORANGE-TIP BUTTERFLIES (*HEBOMOIA GLAUCIPPE*)—ALL AT REST.

Protective, or cryptic, coloration of animal life in nature provides a wonderful and fascinating field of study, not yet entirely explored. Some of its most interesting phases, as found in the insect world, are described in an article by Mr. A. Harold Bastin (author of "Insects, Their Life-Histories and Habits") which appears elsewhere in this number, dealing especially with the examples shown above in autochromes taken by him. The subject could hardly be more suitably illustrated than by means of natural-colour photography, as in the instances here given, which show how marvellously these little creatures are designed and coloured so as to simulate, when at rest, leaves or tree-stems on which they repose, and thus escape detection. In the top-left illustration two British Orange-Tip Butterflies are resting on hedge-garlic, or "Jack-by-the-Hedge." The under-side of the wings simulates a cluster of little white flowers. Those parts that do not show when at rest are white.



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IN THE COUNTRY'S SANCTUARY: THE BURIAL-PLACE OF THE UNKNOWN WARRIOR IN WESTMINSTER ABBEY.

"He lies with his peers, in the Country's sanctuary,
Where makers of Britain trod,
And will hold our pride in faith till Reveille sounds
At the call of God."

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